

Bulk Densities

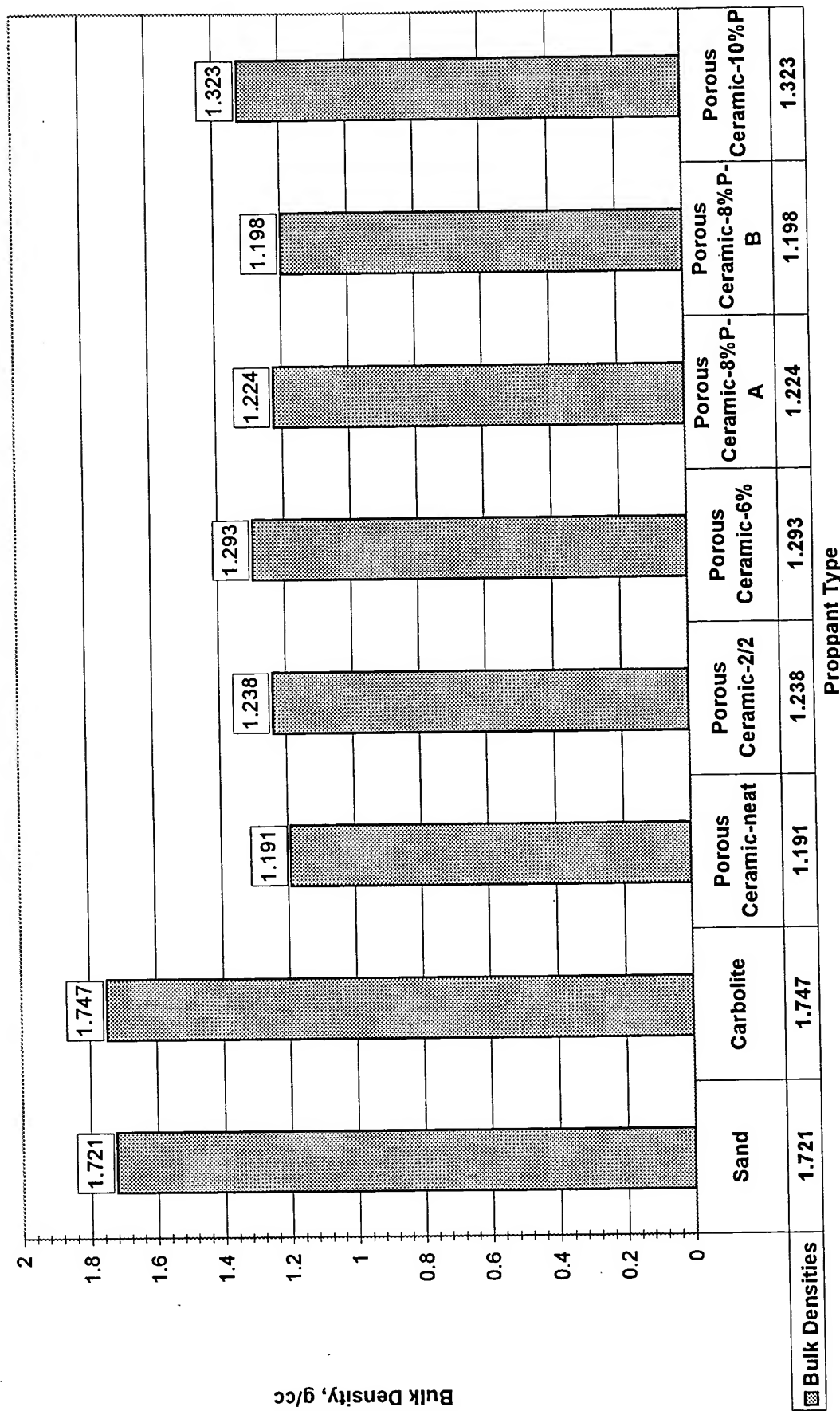


FIG. 1

Permeability versus Stress Light Ceramic Sample 20/40 Mesh@ 1 lb/ft²

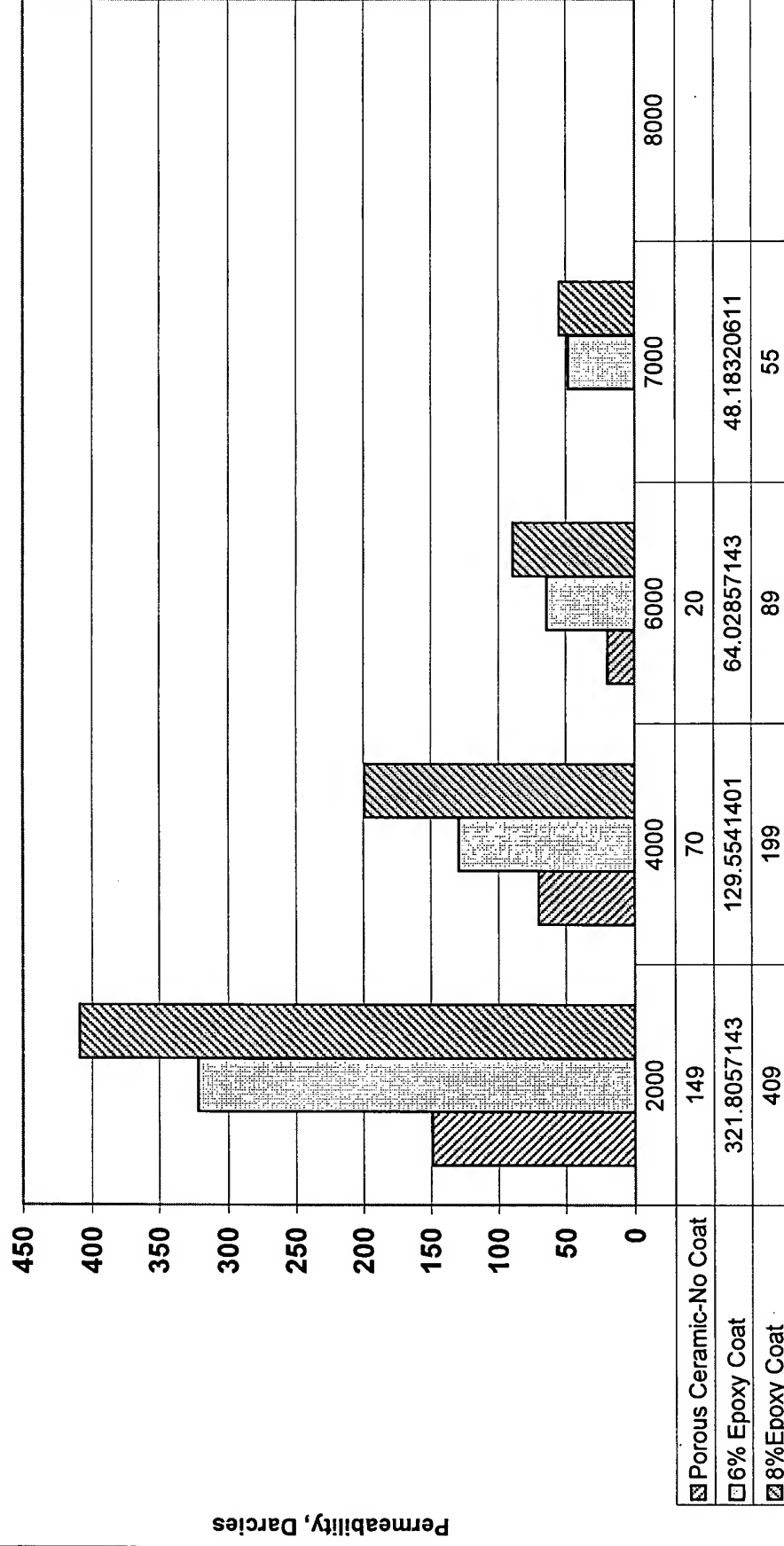


FIG. 2

Conductivity versus Stress Light Ceramic Sample 20/40 Mesh@ 1 lb/ft²

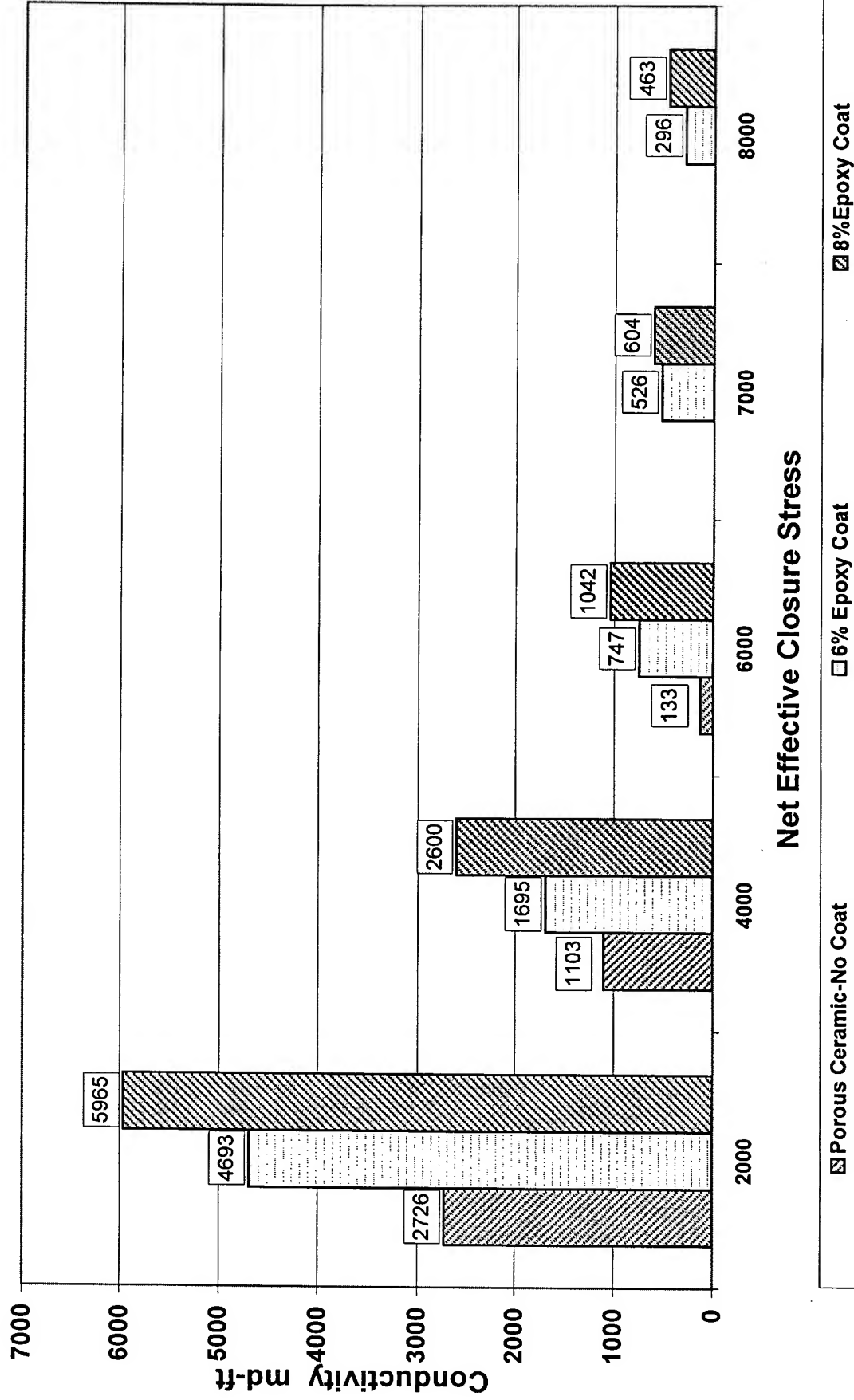
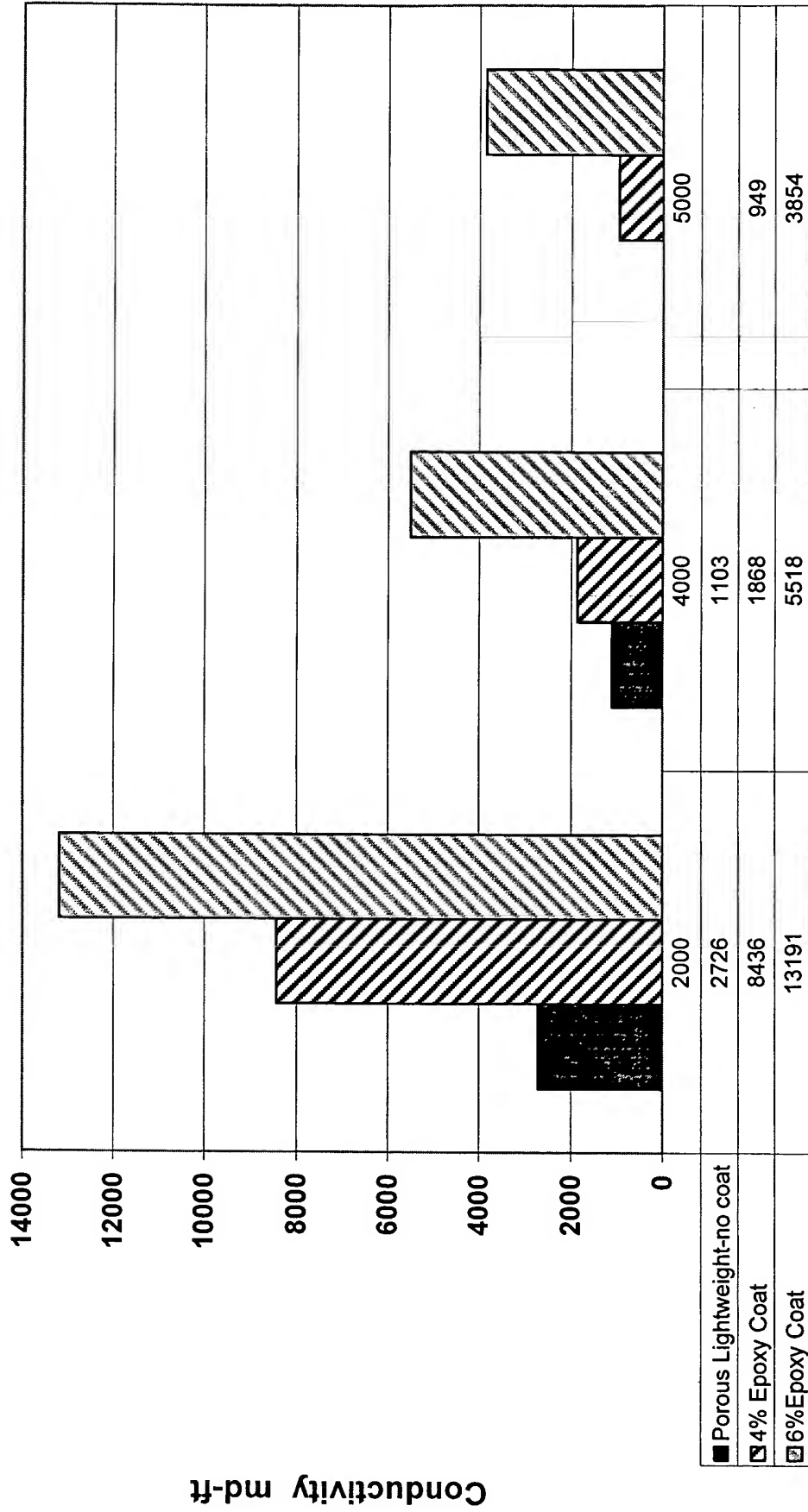


FIG. 3

Conductivity versus Stress Light Ceramic Sample 20/40 Mesh@ 2 lb/ft²

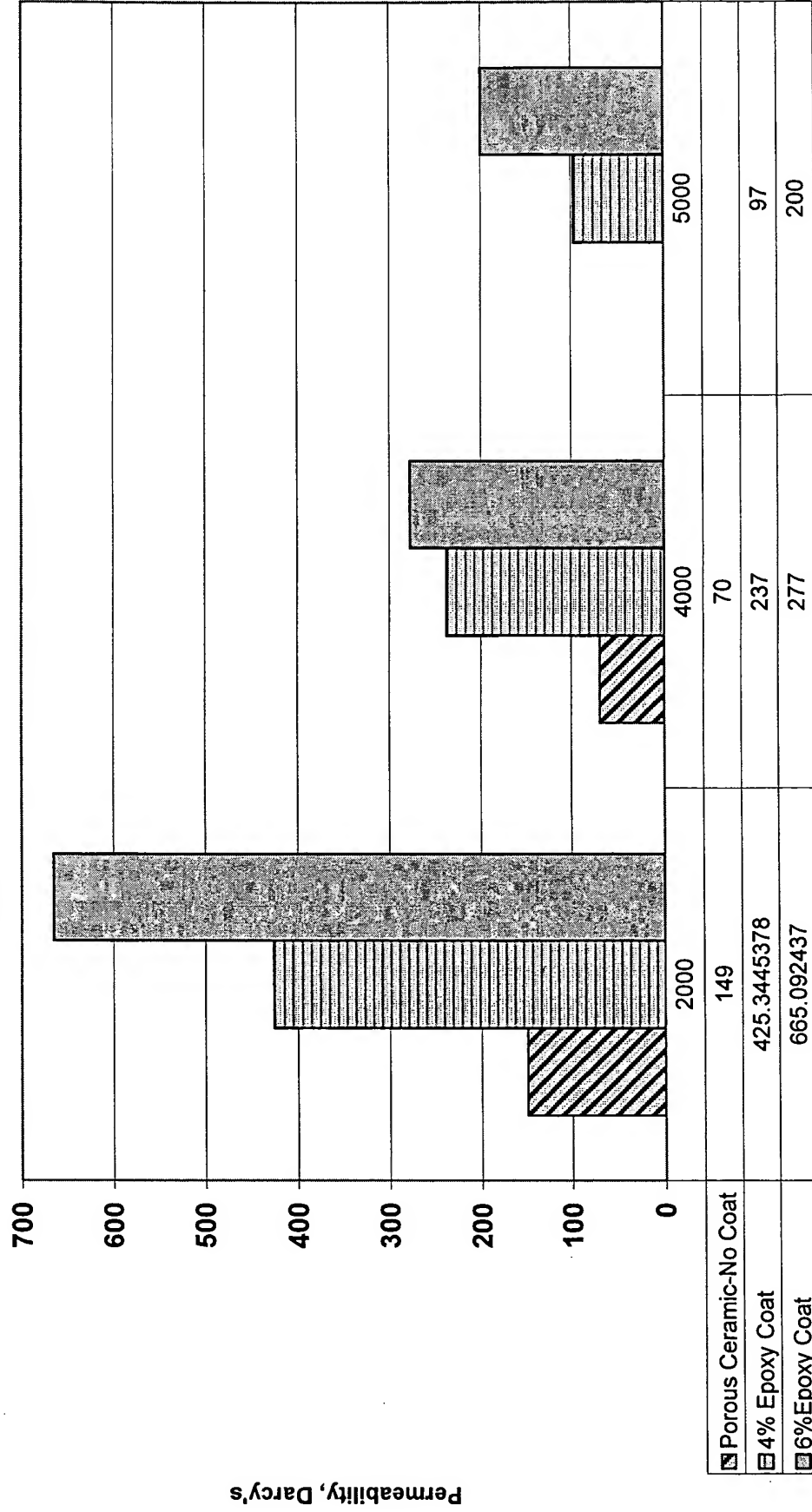


Net Effective Closure Stress

■ Porous Lightweight-no coat ▨ 4% Epoxy Coat ▩ 6% Epoxy Coat

FIG. 4

Permeability versus Stress Light Ceramic Sample 20/40 Mesh@ 1 lb/ft²



Net Effective Closure Stress

Porous Ceramic-No Coat
 4% Epoxy Coat
 6% Epoxy Coat

FIG. 5

Porous Lightweight Ceramic Conductivity vs. Resin/Epoxy @ 1lb/ft²

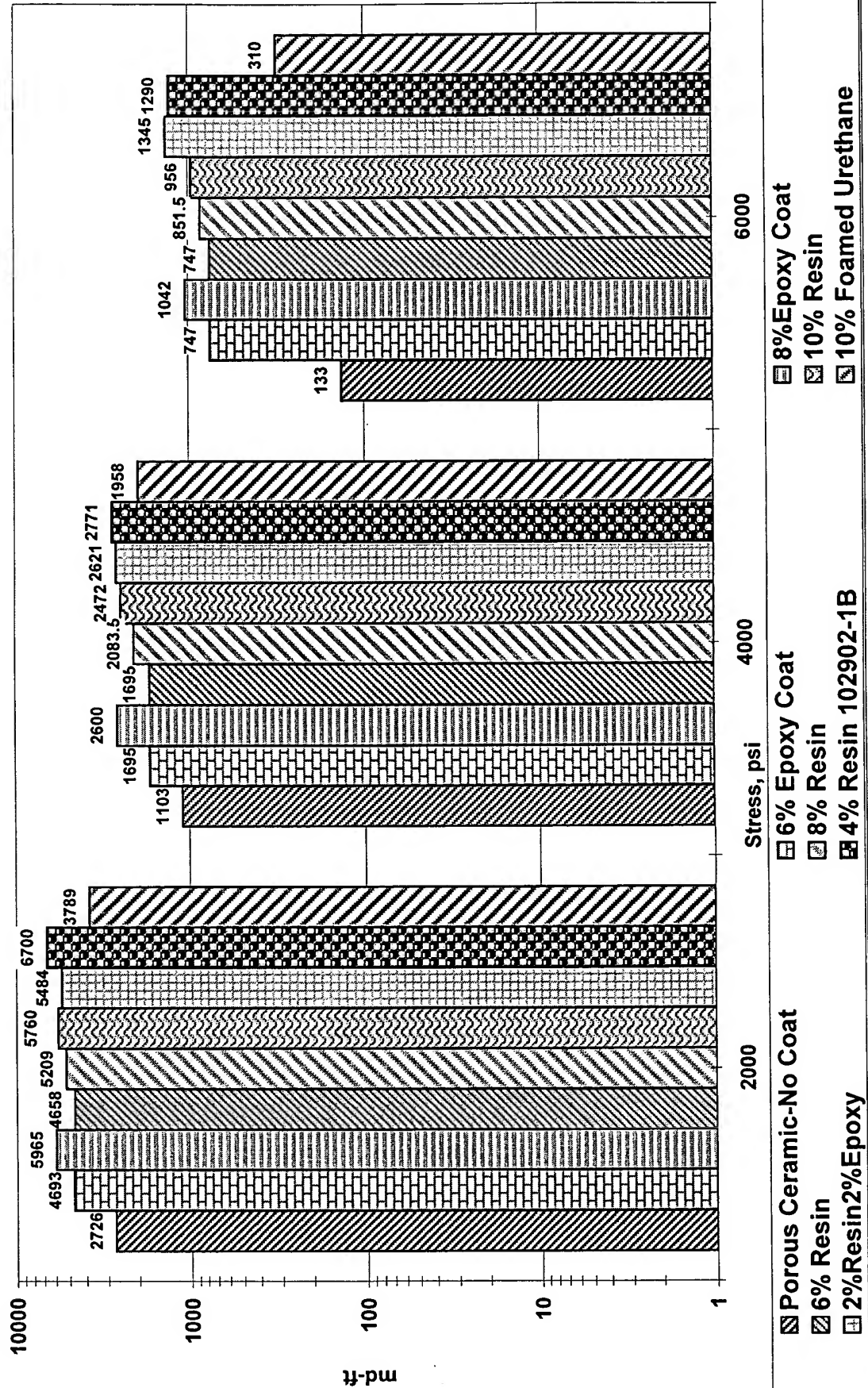
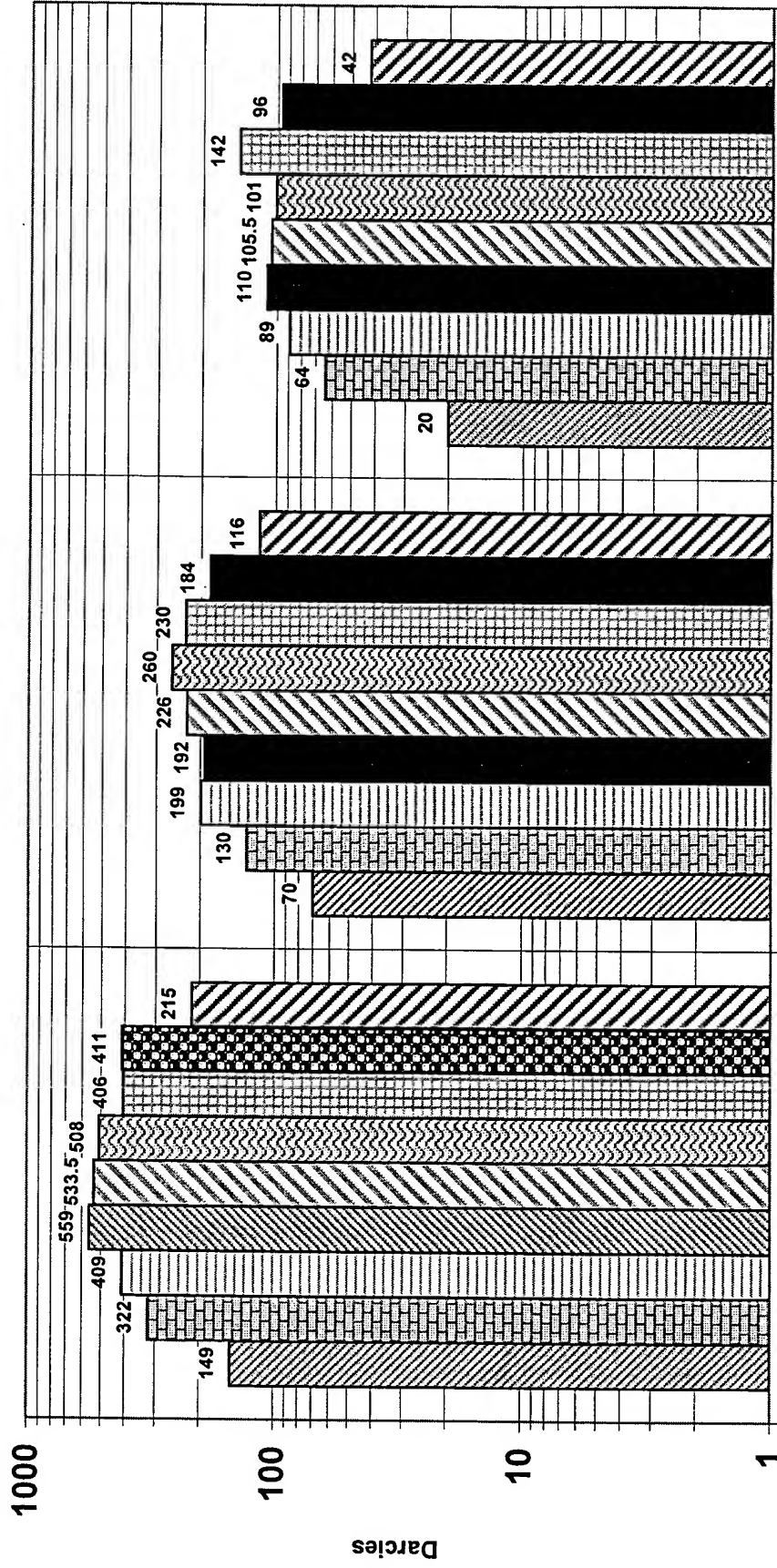


FIG. 6

Porous Ceramic Permeability vs Resin/Epoxy @ 1lb/ft²



- Porous Ceramic-No Coat
- 6% Resin
- 2% Resin 2% Epoxy
- 6% Epoxy Coat
- 8% Resin
- 4% Resin 102902-1B
- 8% Epoxy Coat
- 10% Resin
- 10% Foamed Urethan

FIG. 7



FIG. 8



FIG. 9

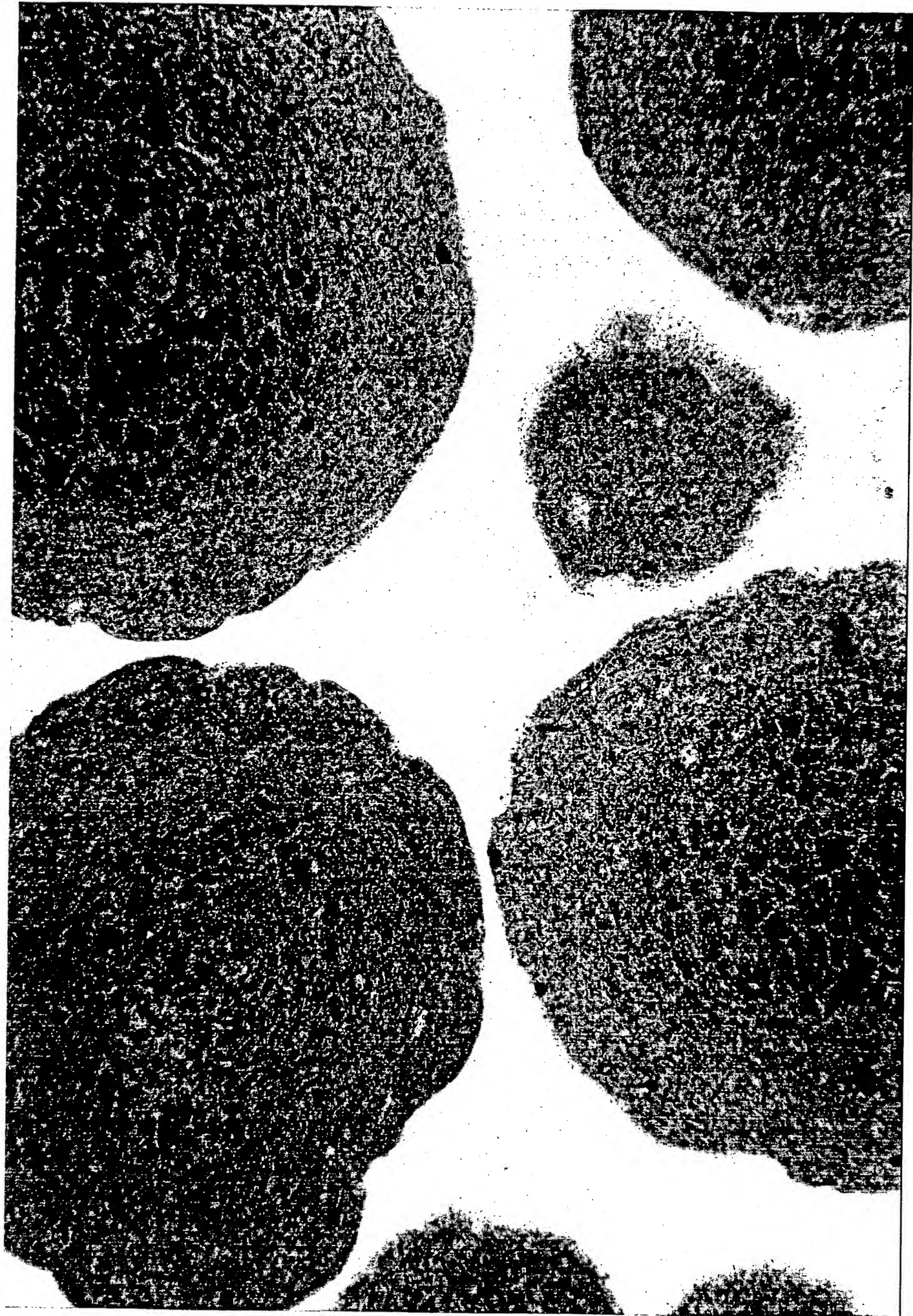


FIG. 10



FIG. 11

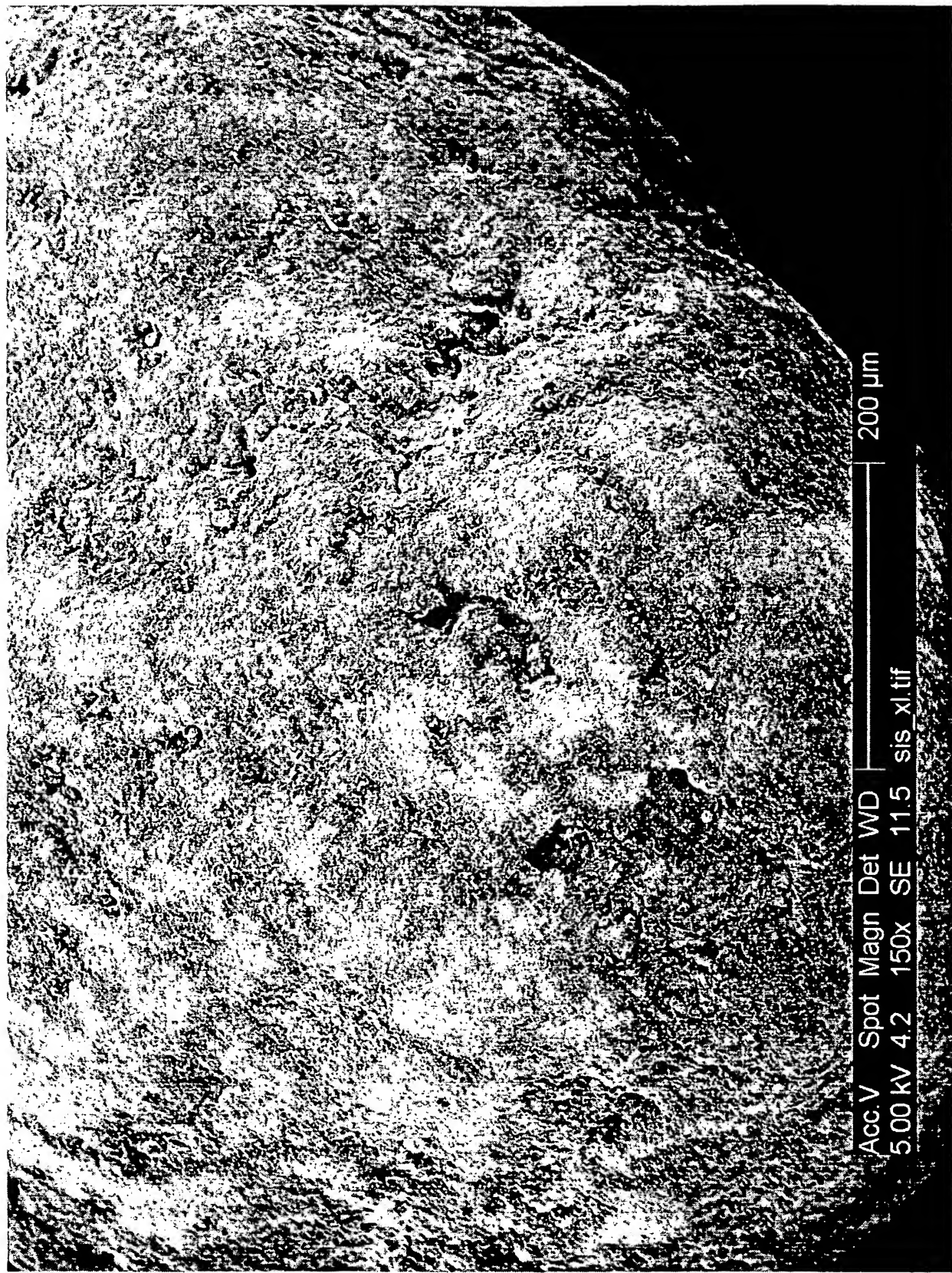


FIG. 12



FIG. 13

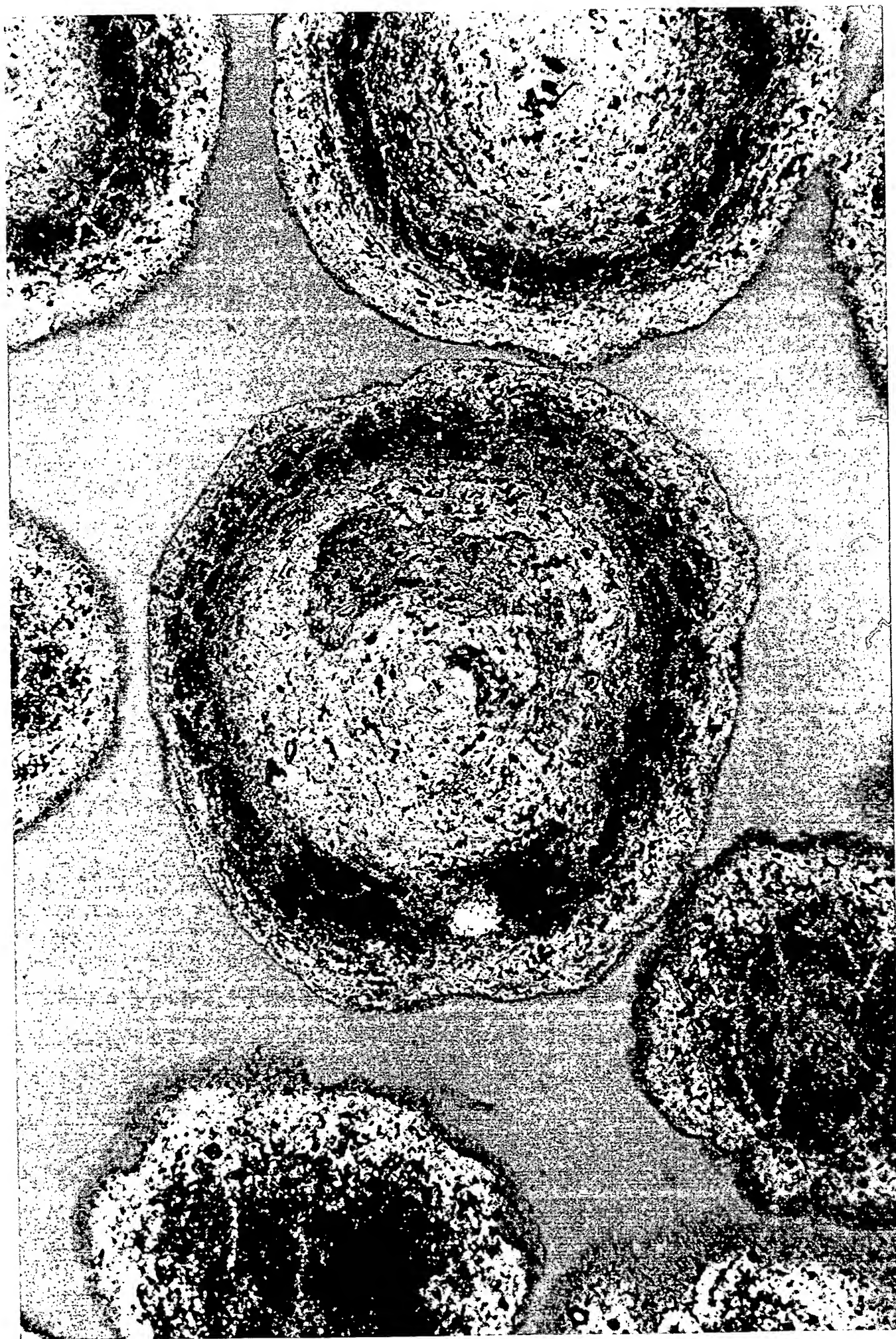


FIG. 14

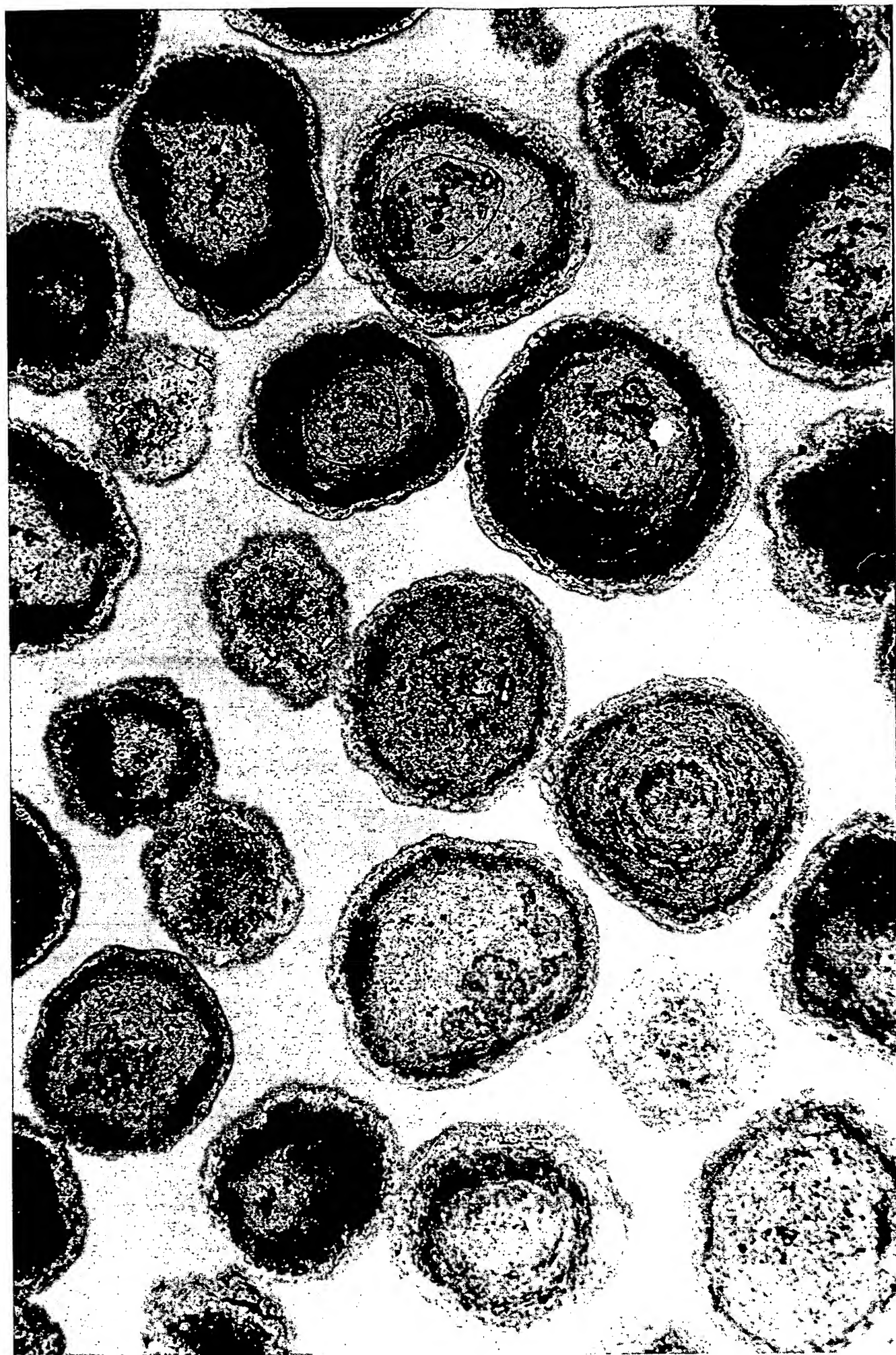


FIG. 15

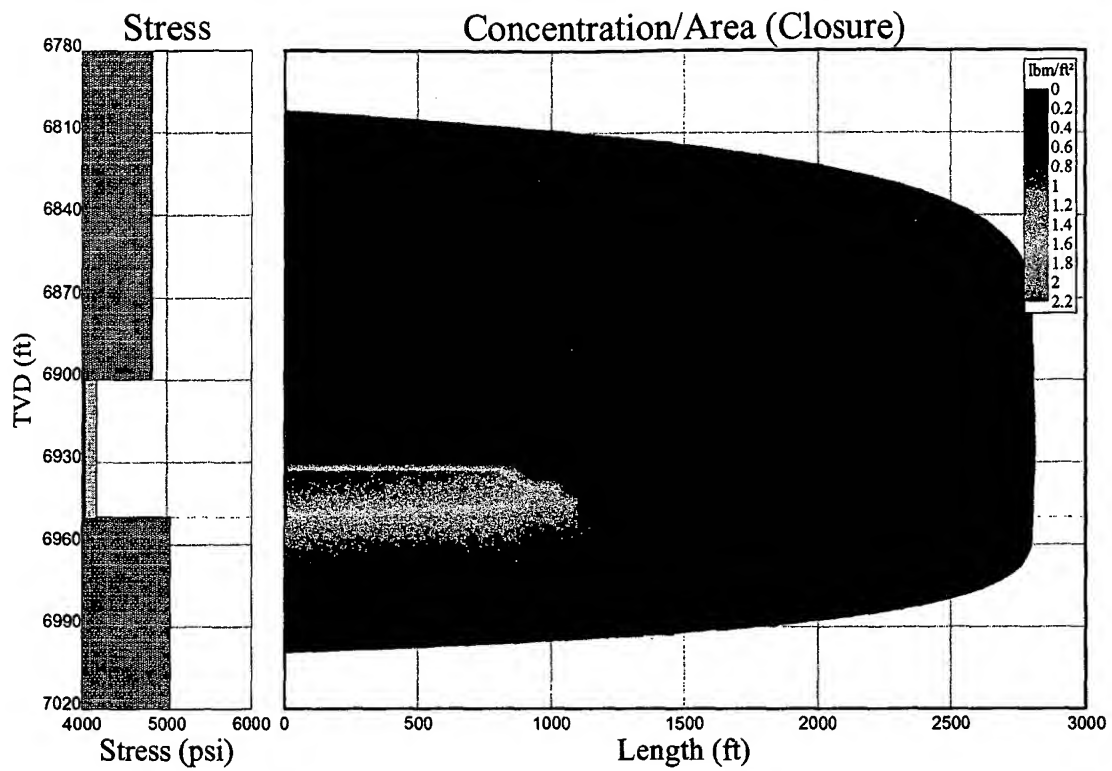


FIG. 16

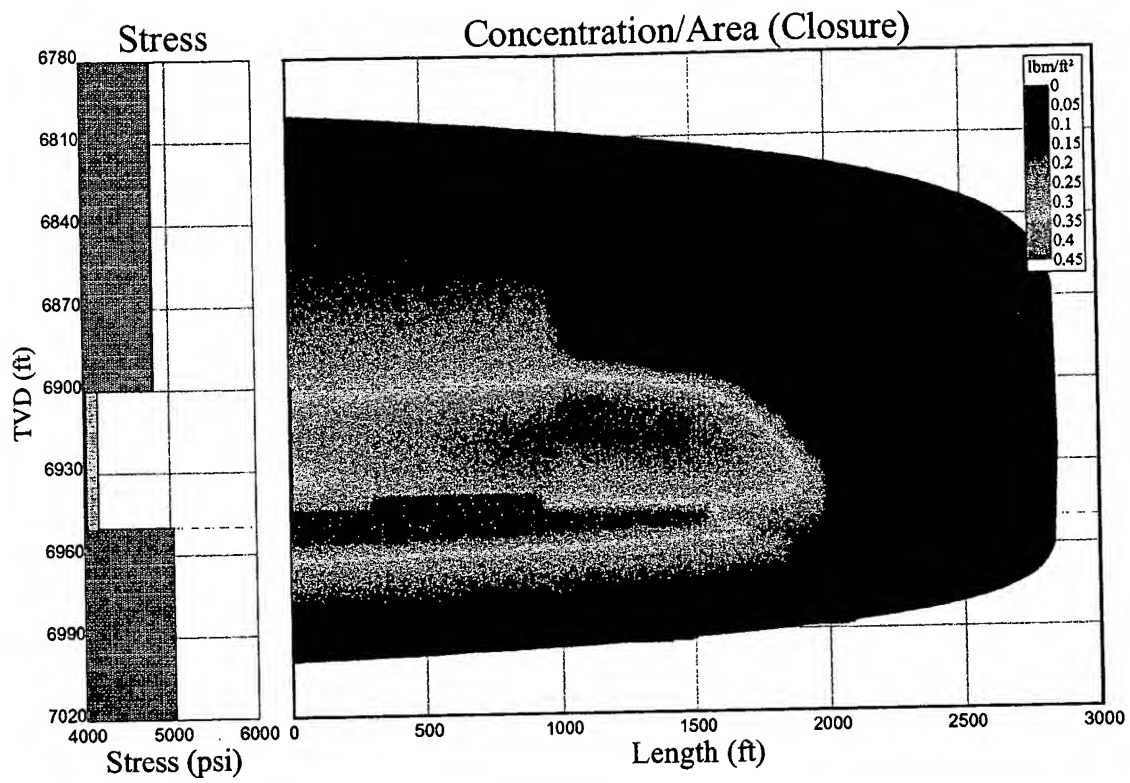


FIG. 17